

**CMS Preliminary**

pp 301 pb<sup>-1</sup> (5.02 TeV)

Relative uncertainty

anti- $k_T$ ,  $R=0.4$  inclusive jets  
 $100 < p_T^{\text{jet}} < 120$  GeV,  $|\eta^{\text{jet}}| < 2$   
Soft drop (charged particles)  
 $z_{\text{cut}} = 0.1$ ,  $\beta = 0$ ,  $k_T > 1$  GeV

Statistical  
Shower and hadronization  
FSR and ISR scale  
Tracking efficiency

Matrix response stats.  
Jet energy resolution  
Jet energy scale

